46. 11 7/ 5

June 3, 1941

Sirs:

Reference is made to Supplemental Contract NOd-1538, dated September 9, 1940 for the acquisition and installation of special additional plant equipment and facilities required to expedite the National Defense Program, at a total estimated cost of \$5,500,000.

By letter dated December 16, 1940 an order was placed with you for construction of six additional destroyers Nos. DD618 to DD623 inclusive and a change in Supplemental Contract NOd-1538 was authorized to provide further special plant facilities at a cost not to exceed \$2,250,000.

Pursuant to this authorization, a general review of the facilities required by the Contractor for its Naval construction work has disclosed that several of the items appearing in Exhibit I of Supplemental Contract NOd-1538, originally regarded as necessary, may be dispensed with. The funds thereby released together with the additional funds for facilities authorized by letter of December 16, 1940 will be used to construct a shipway and outfitting basin. These additional facilities are required in the interest of expediting the construction of the additional destroyers without delaying the building program for cruisers now under construction by you.

In view of the foregoing and because of the necessity of overtime and shift work and other increased costs in the performance of supplemental contract NOd-1538, not contemplated at the time the original estimates were made, the Secretary of the Navy hereby authorizes the following changes in that Supplemental Contract and the Exhibit forming part thereof:

## Supplemental Contract - Page 1

In the first recital, on the first vacant line under the words "DD505 and DD506 under Contract NOd-1505" insert the words "DD618-623, inclusive, under Contract NOd-1642". 124 (410102-7) P

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## Exhibit I. Page 1

- Bureau of Ships No. 2, in the column under "Estimated cost", delete "\$750,000" and substitute therefor \$813,000 -.
- Bureau of Ships No. 3, in the column under "Item", delete "#11" and "#12" and substitute therefor #9 and #10 respectively.
- Bureau of Ships No. 3, in the column under "Estimated Cost", delete "\$360,000" and substitute therefor \$393,000 -.
- Bureau of Ships letter A\*, in the column under "Item", delete "Extension of Shipways Including Cranes and Accessories" and substitute therefor Construction of Shipway #11 and North Outfitting Basin, including Shipway and Wharf Cranes, Accessories and Dredging Including Purchase and Installation of Shipway Crane and Runway between Ways #9 and #10 -.
- Bureau of Ships letter A\*, in the column under "Estimated Cost", delete "\$535,000" and substitute therefor \$3,383,000 -.
- Bureau of Ships letter B\*, in the column under "Item", delete "Extension of Wet Basin including Cranes and Accessories" and substitute therefor - Extension to South Outfitting Basin Crane Runway.
- Bureau of Ships letter B\*, in the column under "Estimated Cost", delete "\$750,000" and substitute therefor - \$50,000 -.
- Bureau of Ships letter C\*, delete this item in its entirety.
- Bureau of Ships letter D\*, in the column under "Item", delete "and Other Buildings," and substitute therefor - Extensions, Miscellaneous Yard Buildings
- Bureau of Ships letter D\*, in the column under \*Estimated Cost\*, delete \*\$733,000\* and substitute
  therefor \$1,605,000 -.

Bureau of Emips letter Er, in the column under "Bott-mated Jost" delete '\$1,637,000" and substitute therefor - \$1,170,000.

Bureau of Ships letter F\*, in the column under "Esti-mated Cost", delete "\$322,000" and substitute therefor - \$118,000 -.

In the column under "Estimated Cost" and opposite
"TOTAL ESTIMATED COST" delete "\$5,500,000."
and substitute therefor \$8,500,000
There is enclosed herewith a copy of Exhibit I resed in accordance with the above mentioned changes.

The foregoing changes involve an increase of \$3,000,000 in the total estimated cost, instead of \$2,250,000 as preiously authorized by the Secretary of the Navy's letter of member 16, 1940 (No. DD618/L4(401260)).

Respectfully,

James Forrestal Acting Secretary of the Navy

ederal Shipbuilding and Dry Dock Company

: CNO
: BuShips
: CompBd (3)
: BuS&A (Appropriation Div.)
: SupShip(Kearny)
: GAO(Audit Div.)

EXHIBIT I

(Revised June 3, 1941)
forming part of
SUPPLEMENTAL CONTRACT NOd-1538
FEDERAL SHIPBUILDING AND DRY DOCK COMPANY
KEARNY, NEW JERSEY
(Dated September 9, 1940)
for the

Acquisition and Installation of Special Additional Plant Equipment and Facilities Required to Expedite the National Defense Program

Item		Estimated Cost
Pipe Shop and Accessories	\$	393,000
Warehouse including Heavy Duty Cranes and Accessories		813,000
Reconstruction of Abandoned Shipways #9 and #10, Purchase and Installation of One (1) Traveling Power Shipyard Crane, One (1) Locomotive Crane, Attendant Crane Tracks, and Staging Towers		393,000
Forty-three (43) Machine Shop Tools		575,000
Construction of Shipway #11 and North Outfitting Basin, including shipway and wharf cranes, accessories and Dredging - Including purchase and installation of Shipway Crane and Runway between Ways #9 and #10	3	,383,000
Extension to south Outfitting Basin Crane Runway		50,000
Shop Extensions, Miscellaneous Yard Buildings and accessories	1	,605,000
Bols and Equipment	1	,170,000
serve for Contingencies		118,000
TOTAL ESTIMATED COST	\$ 8	,500,000 ,
setter identifications are for reference only.	Port	

(Enclosure A)

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## SUPPLEMENTAL ( CNT 9:201 NO 9:4538 - 4 m/d 8:7 (cm/d/5; 10:10)

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Expedite the National Defense Program

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Ferty-three 43: Machine Shop Tools,	575, 000
Extension of Shipways, including Crates and Accessories	535, 000
Extension of Wet Basin, in the long Crains and Accessories	750, 000
Dredging.	45, 000
Shop and Other Buildings at I Access time	733, 000
Tools and Equipment	1, 037, 000
Reserve for Conting ne. 4.	322, 000
TOTAL USEDS THE COST	£5, 500, 000
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Article 6. When the verical is substantially light, equired by the soluther, they takes it as of such the restriction of the Economy of the Have, is infinitely until effect that the trial trip, and when the tractor shall have mode sufficient trials to do he resembly sure of attisfactory suffermance for the requirements of this contract, and making out-wide to triple to test her and he cape is Such triple shall include the prescribe by the secretary of the Navy on sail include triple wint, who:

(a) A progressive trial over a measured mile course. Standardcokland, Naise, for standardizing the corows, entend—
from a speed of 8 knots to maximum speed; about 60 trials.

It to be made over the course in order to adequately
for the range of speed desired. This progressive trial
to be made to the the vessel weighted as specified herein—
to be made to the procedulation must be not here than
knots at mean trial displacement.

Three consecutive runs must be made of the hidicat ed attainable, the old meet optic and revolutions for the runs ascertained carefully; and three consecutive is must be made at each of nine speeds covering the ge of speeds from about nine knots to the highest speed, required by the Trial Board, the mean speed, revolutions, shart horsepower for the several groups of runs to be efully ascertained by the Trial Board, in order to determed and short horsepower; the vessel to be so wighted the middle run at the mainum speed will take place as any as may to possible at the mean trial simplesement cified hereinafter.

The board may require runs at one or more additional eds as necessary or desirable to establish any variation must the smooth curve and to obtain complete standardization a.

In addition to the above required standardization stall there shall be a backing standardization trial to deemine the revolutions corresponding to a sternway 16 knots.

Backing standardization trial.

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4) - The reference of a 14-611 end applied a graph 15 mag 1 and 15 mag 1 mag 1

dried of a production of or a) indicate of merry as a critical.

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decountry, the Teneral was a constitute of Architecture of the above of the Lott construction third of 4 power formation in the open sea in decountry, on a case of 20 knots as nearly as possible.

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(h) An ordurence and fuel-oil consumption .

Endel of 4 tought duration in the open sea in deep water, at a special of 6 to the control of provible.

Speed during trials (e), (a), (e), (f), (g), and (h) will be then from the speed revolution curve made from the results of progressive trial (a)

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On off the characterists there shall be been the depreciate of process of the control of the con On thirle (c), (d), (e), (f), (e) and (h) the following intiliant to about be the permitter. (1) ill rewilling mack's by recessors to the orin movellier plant chall be in a continu duming the prescribed risk. Applicates in the possible of mois engines. Auxiliar the basic manipul for a short of mais engines. Auxiliary teachers are original. uxiliary medicary installed rimently for part or mercally our part or mercally our children or mercally our children state. mergine, one conflict to a news. There we like to steam and electric auniliary marking to installed e ch shall be pour tell during and—half of the application seach trial.

(2) Evacorating Plant: The avalorating plant will be in operation making amend water of less than 0.25 gm in of chloring our pellocation tell pass than 10 rate of 1,200%. gallans you hour. (3) Terripositing dart: One modify at moted especity or as necessary to mintran the temperature required in the reinigenated enacts in the letter manages centrolled. (4) Electric generating last: A total land of not dees then 700 kilowatts.

(b) The heating system, together with the ventilating blowers which are a part of the heating system, shall be expended throughout the sale as necessary to maintain the terms ture of all diving concentrate.

\*\*Correction shall be made for outside air temperature by the supplication of fuel oil rading to the fuel consumption 3.8 nounds of fuel oil per hour for each de mee F. that the average outside air temperature is above O F. up to 70° F. If the heating system is not operated, or if the outside temperature is in excess of 70° F., 25°C pourds of fuel oil shall be maded. to that actually used for each hour of the trial under which such condition obtains. On trial (b) the cuxiliaries shall be operated the same as for other trials except that the evaporators shall hot be in operation. The shift horsenower during the above trials shall be determined by approved torsion maters connected

to the shafting abaft the reduction goars.

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